

TECHNICAL DATA SHEET

DONAKON

DESCRIPTION

Donakon is an off-white colored pozzolanic masonry mortar. It has in its composition quartz aggregates with a maximum diameter of 2 mm and ensures a compressive strength > 5 MPa. **Donakon** consists of a mixture of quartz aggregates, fine-grained pozzolan (<75 µm), and hydraulic lime, in a suitable proportion.

It is certified as type M5, with the CE marking, according to EN 998-2, as a designed general purpose masonry mortar, for external use, in elements subject to structural requirements.

APPLICATION AREAS

It is suitable for:

- Filling gaps in the walls
- Grouting of masonry
- Construction of new masonry with bricks or natural stone

APPLICATION INSTRUCTIONS

Surface preparation

The surface must be clean and free of loose spots, dust, paint, grease, oil, and wetted before application.

Application

There is no recommended mixing ratio of water/solids. Since the properties of the material do not change in relation to water, the water ratio can be defined by the user, according to the desired workability.

Mixing should be done in a mixer or concrete mixer and mixing by hand should be avoided. The purpose of mixing is to obtain a homogeneous plastic mixture without lumps. It is applied with the use of a trowel, exactly in the usual way of applying construction mud.

CLEANING

Clean the tools immediately after use with water.

STORAGE

12 months from the date of production in unopened package kept in a dry place

SAFETY

Read carefully the label of the product before use. Detailed instructions regarding hazards and safety are provided in the Safety Data Sheet, which is available upon request.

PACKAGING

30kg paper bag/1440Kg pallet.

TECHNICAL DATA SHEET

DONAKON

Technical Data (Measurement conditions 23°C and 50% R.H.):

Form	powder	Compressive strength	Category M5
Color	Off-white	Initial shear strength: (tab. value)	0,15 N/mm ²
Water demand	defined by the user	Capillary water absorption	≤ 0,1 kg/m ² min ^{0,5}
Application temperature	from 5 °C to 40 °C	Water vapor permeability coefficient (μ)	5/35
Flow	170mm	Thermal conductivity (λ10,dry)	0,88 W/mK (tab. mean value; P = 50 %)
K ₂ O (w/w)	0.02 %	Conductance	708 mS/m
Na ₂ O (w/w)	0.02 %	Reaction to fire	Class A1



TECHNICAL DATA SHEET

DONAKON

NOTICE

The technical information and instructions provided in this datasheet referring to the application and end use of PROLAT products are based on the company's expertise and experience with the products to date. They are provided in good faith under the condition that the products are stored, used, and applied in accordance with PROLAT's instructions. However, given our inability to directly oversee conditions at construction sites or during product application, the company cannot guarantee the suitability of its products for specific purposes, nor does it assume any legal responsibility based on the information provided in this brochure, whether written, oral, or otherwise communicated. Users are advised to conduct a small test to assess the suitability of the products for their intended application and purpose of use. The company reserves the right to modify the properties of its products without prior notice.

 19
PROLAT S.A. Production of Minerals and Mortars Afroditis 50 - P. Faliro, PC:175 61, Greece DoP No: 042-PROLAT-CPR
EN 998-2:2016 DONAKON NB: 0437 Designed general purpose masonry mortar for external use in elements subject to structural requirements Compressive strength: Category M5 Initial shear strength: 0,15 N/mm ² (tab. value) Reaction to fire: Class A1 Density (dry hardened mortar) 1840 kg/m ³ Water absorption: 0,1 kg/m ² min ^{0,5} Water vapour permeability: μ 15/35 (tab. value) Thermal conductivity: (λ _{10,dry}) 0,88 W/mK (tab. mean value; P = 50 %) Durability (against freeze/thaw): evaluation based on provisions valid in the intended place of use of the mortar